

## CLAIMS

What is claimed is:

1. A mirror assembly comprising:

a mounting surface having an inner side and an outer side and an opening disposed therebetween;

a case;

5 a reflective mirror disposed within said case;

an adjustment mechanism;

a guide mechanism positioned within said case and having a first aperture; and

10 a connector having a second aperture and disposed between said case and said inner side of said mounting surface.

2. A mirror assembly as described in claim 1 wherein said adjustment mechanism includes a first end connected to said reflective mirror and a second end extending through said first aperture of said guide mechanism, said second aperture of said connector and said opening of said mounting surface.

3. A mirror assembly as described in claim 2 wherein said adjustment mechanism is a handle for manual adjustment of said reflective mirror within said case.

4. A mirror assembly as described in claim 3 wherein said guide mechanism includes a rib for fixedly positioning said guide mechanism within said case.

5. A mirror assembly as described in claim 3 wherein said handle includes a locking mechanism for limiting vertical adjustment of said reflective mirror.

6. A mirror assembly as described in claim 2 wherein said adjustment mechanism is an electric motor and a harness encapsulating electrical controls for adjustment of said reflective mirror within said case.

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7. A mirror assembly as described in claim 6 wherein said guide mechanism includes a rib for fixedly positioning said guide mechanism within said case.

8. A mirror assembly as described in claim 2 wherein said case is moveable about said adjustment mechanism and said guide mechanism.

9. A mirror assembly as described in claim 8 wherein said case includes a plurality of grooves for receiving a knob of said guide mechanism

10. A mirror assembly as described in claim 2 wherein said adjustment mechanism includes a biasing device for maintaining said adjustment mechanism and said guide mechanism properly positioned within said case.

11. A mirror assembly as described in claim 2 wherein said connector has an inner end and an outer end.

12. A mirror assembly as described in claim 11 wherein said connector further includes a lip having a locking boss at said outer end.

13. A mirror assembly as described in claim 12 wherein said mounting surface has a locking embossment on said outer side for receiving said locking boss of said connector.

14. A mirror assembly as described in claim 13 wherein said mounting surface further includes a screw at said inner side for attaching said connector to said mounting surface.

15. A mirror assembly as described in claim 14 wherein said inner end of said connector includes at least one locking knob

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16. A mirror assembly as described in claim 15 wherein said inner end of said connector further includes a threaded hole for receiving said screw of said mounting surface.

17. A mirror assembly as described in claim 16 wherein said opening of said mounting surface includes at least one extension for receiving said locking knob.

18. A mirror assembly as described in claim 2 wherein said first aperture of said guide mechanism includes a plane to prevent rotation of said adjustment mechanism while in said first aperture.

19. A mirror assembly for use as a side rearview mirror on a motor vehicle comprising:

a mounting surface integral with said motor vehicle having an inner side and an outer side and an opening disposed therebetween;

a case having a reflective mirror disposed therein;

a guide mechanism having a first aperture and positioned within said case;

a connector having a second aperture and disposed between said case and said inner side of said mounting surface; and

an adjustment mechanism for changing the position of the reflective mirror having a first end connected to said reflective mirror and a second end extending through said first aperture of said guide mechanism, said second aperture of said connector and said opening of said mounting surface.

20. A mirror assembly as described in claim 19 wherein said adjustment mechanism is a handle for manual adjustment of said reflective mirror within said case.

21. A mirror assembly as described in claim 20 wherein said handle includes a locking mechanism for limiting vertical adjustment of said reflective mirror.

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22. A mirror assembly as described in claim 20 wherein said guide mechanism includes a rib for fixedly positioning said guide mechanism to said case.

23. A mirror assembly as described in claim 19 wherein said adjustment mechanism is an electric motor and a harness encapsulating electronic controls for controlling adjustment of said reflective mirror in said case.

24. A mirror assembly as described in claim 23 wherein said guide mechanism includes a rib for fixedly positioning said guide mechanism to said case.

25. A mirror assembly as described in claim 19 wherein said case is moveable around said adjustment mechanism and said guide mechanism.

26. A mirror assembly as described in claim 25 wherein said case includes a plurality of grooves for receiving a knob on said guide mechanism.

27. A mirror assembly as described in claim 19 wherein said adjustment mechanism further includes a biasing device for properly positioning said adjustment mechanism and said guide mechanism within said case.

28. A mirror assembly as described in claim 19 wherein said connector includes an inner end and an outer end, said inner end including a threaded hole and at least one knob and said outer end including a lip with a locking boss.

29. A mirror assembly as described in claim 28 wherein said inner side of said mounting surface includes a screw for penetrating said threaded hole of said connector and attaching said connector to said mounting surface.

30. A mirror assembly as described in claim 29 wherein said outer side of said mounting surface includes a locking embossment to receive said locking boss of said connector.

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31. A mirror assembly as described in claim 30 wherein said opening of said mounting surface includes at least one extension for receiving said knob of said connector.

32. A mirror assembly as described in claim 19 wherein said first aperture of said guide mechanism includes a plane for preventing rotation of said adjustment mechanism within said first aperture.

33. A mirror assembly for use on a motor vehicle comprising:  
a mounting surface having an inner side and an outer side and an opening disposed therebetween;  
a case;  
a reflective mirror disposed within said case;  
a guide mechanism fixedly positioned within said case and having a first aperture with a plane;  
a connector having a second aperture and positioned between said case and said inner side of said mounting surface; and  
a handle having a first end connected to said reflective mirror and a second end extending through said first aperture of said guide mechanism, said second aperture of said connector and said opening of said mounting surface.

34. A mirror assembly as described in claim 33 wherein said handle includes a locking mechanism for limiting vertical movement of said reflective mirror.

35. A mirror assembly as described in claim 33 wherein said handle further includes an angled extension at said second end.

36. A mirror assembly as described in claim 33 wherein said first end of said handle includes a lip and a flat surface for mating with said plane of said guide mechanism.

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37. A mirror assembly as described in claim 33 including a biasing device for properly positioning said guide mechanism and said handle within said case.

38. A mirror assembly for use on a motor vehicle comprising:

a mounting surface having an inner side and an outer side and an opening disposed therebetween;

a case;

a reflective mirror disposed within said case;

a guide mechanism fixedly positioned within said case and having a first aperture with a plane;

a connector having a second aperture and positioned between said case and said inner side of said mounting surface; and

a harness having a first end connected to said reflective mirror and a second end extending through said first aperture of said guide mechanism, said second aperture of said connector and said opening of said mounting surface.

39. A mirror assembly as described in claim 38 including an electric motor disposed in said case for actuating movement of said reflective mirror via an electronic control mechanism positioned inside the motor vehicle.

40. A mirror assembly as described in claim 38 wherein said harness is molded from plastic and includes a plurality of strengthening ribs.

41. A mirror assembly as described in claim 38 including a biasing device for properly positioning said guide mechanism and said harness within said case.

42. A mirror assembly for use on a motor vehicle comprising:

a mounting surface having an inner side and an outer side and an opening disposed therebetween;

a case;

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a reflective mirror disposed within said case;

a guide mechanism positioned within said case and having a knob and a first aperture with a plane;

a connector having a second aperture and positioned between said case and said inner side of said mounting surface;

a harness having a first end connected to said reflective mirror and a second end extending through said first aperture of said guide mechanism, said second aperture of said connector and said opening of said mounting surface; and

said case including a plurality of grooves for receiving said knob of said guide mechanism, wherein said case is moveable about said adjustment mechanism and said guide mechanism.